# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
Data File : BG055900.D
Acq On : 6 Dec 2022 12:10
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 07 05:08:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 07 05:04:10 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 2 | | 1,4-Dioxane | 0.473 | 0.407 | 14.0 | 63 | 0.00 |
| 3 | | Pyridine | 1.451 | 1.391 | 4.1 | 67 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.768 | 0.806 | -4.9 | 74 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.106 | 1.011 | 8.6 | 66 | 0.00 |
| 6 | | Aniline | 1.850 | 1.905 | -3.0 | 72 | 0.00 |
| 7 | S | Phenol-d6 | 1.473 | 1.491 | -1.2 | 71 | 0.00 |
| 8 | | 2-Chlorophenol | 1.265 | 1.245 | 1.6 | 70 | 0.00 |
| 9 | | Benzaldehyde | 1.000 | 0.898 | 10.2 | 66 | 0.00 |
| 10 | C | Phenol | 1.649 | 1.680 | -1.9 | 72 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.264 | 1.224 | 3.2 | 69 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.487 | 1.405 | 5.5 | 69 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.503 | 1.428 | 5.0 | 69 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.440 | 1.387 | 3.7 | 70 | 0.00 |
| 15 | | Benzyl Alcohol | 1.197 | 1.318 | -10.1 | 76 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.288 | 2.479 | -8.3 | 77 | 0.00 |
| 17 | | 2-Methylphenol | 1.171 | 1.245 | -6.3 | 75 | 0.00 |
| 18 | | Hexachloroethane | 0.517 | 0.509 | 1.5 | 70 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.132 | 1.242 | -9.7 | 76 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.636 | 1.737 | -6.2 | 74 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 22 | | Acetophenone | 0.520 | 0.500 | 3.8 | 75 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.378 | 0.373 | 1.3 | 76 | 0.00 |
| 24 | | Nitrobenzene | 0.395 | 0.387 | 2.0 | 76 | 0.00 |
| 25 | | Isophorone | 0.717 | 0.716 | 0.1 | 76 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.182 | 0.190 | -4.4 | 78 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.278 | 0.275 | 1.1 | 76 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.385 | 0.375 | 2.6 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.332 | 0.323 | 2.7 | 74 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.386 | 0.365 | 5.4 | 75 | 0.00 |
| 31 | | Naphthalene | 1.081 | 1.019 | 5.7 | 74 | 0.00 |
| 32 | | Benzoic acid | 0.228 | 0.136 | 40.4# | 45# | 0.00 |
| 33 | | 4-Chloroaniline | 0.446 | 0.438 | 1.8 | 75 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.264 | 0.247 | 6.4 | 74 | 0.00 |
| 35 | | Caprolactam | 0.115 | 0.113 | 1.7 | 73 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.365 | 0.369 | -1.1 | 77 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.810 | 0.790 | 2.5 | 75 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.786 | 0.764 | 2.8 | 74 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.629 | 0.600 | 4.6 | 78 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.317 | 0.276 | 12.9 | 67 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.282 | 0.252 | 10.6 | 70 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.429 | 0.386 | 10.0 | 70 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.471 | 0.417 | 11.5 | 68 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.335 | 1.247 | 6.6 | 76 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.457 | 1.375 | 5.6 | 76 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.133 | 1.067 | 5.8 | 75 | 0.00 |

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Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC040

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.372 | 0.386 | -3.8 | 80 | 0.00 |
| 49 | | Acenaphthylene | 1.865 | 1.772 | 5.0 | 75 | 0.00 |
| 50 | | Dimethylphthalate | 1.594 | 1.514 | 5.0 | 75 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.326 | 0.318 | 2.5 | 75 | 0.00 |
| 52 | C | Acenaphthene | 1.219 | 1.149 | 5.7 | 74 | 0.00 |
| 53 | | 3-Nitroaniline | 0.358 | 0.344 | 3.9 | 73 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.187 | 0.175 | 6.4 | 72 | 0.00 |
| 55 | | Dibenzofuran | 1.881 | 1.773 | 5.7 | 75 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.281 | 0.230 | 18.1 | 61 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.460 | 0.454 | 1.3 | 75 | 0.00 |
| 58 | | Fluorene | 1.502 | 1.417 | 5.7 | 75 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.457 | 0.393 | 14.0 | 67 | 0.00 |
| 60 | | Diethylphthalate | 1.612 | 1.497 | 7.1 | 73 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.826 | 0.770 | 6.8 | 74 | 0.00 |
| 62 | | 4-Nitroaniline | 0.374 | 0.347 | 7.2 | 73 | 0.00 |
| 63 | | Azobenzene | 1.407 | 1.338 | 4.9 | 75 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.112 | 0.116 | -3.6 | 74 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.551 | 0.539 | 2.2 | 74 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.228 | 0.222 | 2.6 | 73 | 0.00 |
| 68 | | Hexachlorobenzene | 0.253 | 0.244 | 3.6 | 74 | 0.00 |
| 69 | | Atrazine | 0.218 | 0.199 | 8.7 | 69 | 0.00 |
| 70 | C | Pentachlorophenol | 0.155 | 0.147 | 5.2 | 67 | 0.00 |
| 71 | | Phenanthrene | 1.079 | 1.020 | 5.5 | 72 | 0.00 |
| 72 | | Anthracene | 1.049 | 0.998 | 4.9 | 72 | 0.00 |
| 73 | | Carbazole | 0.943 | 0.867 | 8.1 | 70 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.171 | 1.080 | 7.8 | 69 | 0.00 |
| 75 | C | Fluoranthene | 1.313 | 1.168 | 11.0 | 68 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 77 | | Benzidine | 0.463 | 0.537 | -16.0 | 78 | 0.00 |
| 78 | | Pyrene | 1.354 | 1.319 | 2.6 | 67 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.000 | 0.964 | 3.6 | 68 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.530 | 0.512 | 3.4 | 67 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.378 | 1.298 | 5.8 | 66 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.484 | 0.458 | 5.4 | 65 | 0.00 |
| 83 | | Chrysene | 1.311 | 1.238 | 5.6 | 66 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.762 | 0.729 | 4.3 | 67 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.303 | 1.243 | 4.6 | 66 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 68 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.638 | 1.435 | 12.4 | 60 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.303 | 1.183 | 9.2 | 61 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.298 | 1.209 | 6.9 | 63 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.118 | 1.018 | 8.9 | 62 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.339 | 1.184 | 11.6 | 61 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.349 | 1.169 | 13.3 | 59 | 0.00 |

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|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0